

10/008978

Case No.: 00-1272-C

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO AND USES THEREFOR

the specification of which is attached hereto unless the following space is checked:

was filed on December 7, 2001 as United States Application Serial Number 10/008,978.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

	<u>Number</u>	<u>Country</u>	<u>Day/Month/Year Filed</u>
1.	PCT/US97/12783	PCT	07/21/1997

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

	<u>Application Number</u>	<u>Filing Date</u>
1.	60/031,809	07/29/1996
2.	60/176,409	01/13/2000
3.	60/192,699	03/28/2000
4.	60/200,161	04/26/2000
5.	60/213,906	06/26/2000
6.	60/224,631	08/11/2000
7.	60/254,392	12/08/2000
8.	60/254,418	12/08/2000
9.	60/255,235	12/11/2000
10.	60/255,236	12/11/2000
11.	60/282,640	04/09/2001

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

10/008978

	<u>Application Number</u>	<u>Piling Date</u>	<u>Status: patented, pending, abandoned</u>
1.	09/927,777	08/10/2001	Pending
2.	09/820,279	03/28/2001	Pending
3.	09/760,500	01/12/2001	Pending
4.	09/603,830	06/26/2000	Pending
5.	09/344,667	06/25/1999	Patented
6.	09/240,755	01/29/1999	Abandoned

I hereby appoint the practitioners associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and I direct that all correspondence be addressed to that Customer Number.

Customer Number: 020306

Principal attorney or agent: Emily Mize

Telephone number: 312-913-0001

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: Chad A. Mirkin

Inventor's signature: Chad A. Mirkin

Date: 10/14/2002

Residence: Wilmette, Illinois

Citizenship: US

Post Office Address: 111 16th Street, Wilmette, Illinois 60091

Full name of second joint inventor: Robert L. Letzinger

Inventor's signature: _____

Date: _____

Residence: Wilmette, Illinois

Citizenship: US

Post Office Address: 316 Third Street, Wilmette, Illinois 60091

Full name of third joint inventor: Robert G. Masic

Inventor's signature: _____

Date: _____

Residence: Glendale, California

Citizenship: US

Post Office Address: 1600 Bel Aire Drive, Glendale, California 91201

Full name of fourth joint inventor: James J. Stophoff

Inventor's signature: _____

Date: _____

Residence: Evanston, Illinois

Citizenship: US

Post Office Address: 610 Michigan Avenue, Apartment 3, Evanston, Illinois 60202

10/06 8978

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Customer Number: **020306**

Principal attorney or agent: Emily Miao

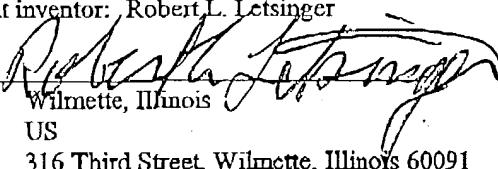
Telephone number: 312-913-0001

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Full name of first inventor: Chad A. Mirkin

Inventor's signature: _____ Date: _____
Residence: Wilmette, Illinois
Citizenship: US
Post Office Address: 111 16th Street, Wilmette, Illinois 60091

Full name of second joint inventor: Robert L. Letsinger

Inventor's signature:  Date: 5/17/02
Residence: Wilmette, Illinois
Citizenship: US
Post Office Address: 316 Third Street, Wilmette, Illinois 60091

Full name of third joint inventor: Robert C. Mucic

Inventor's signature: _____ Date: _____
Residence: Glendale, California
Citizenship: US
Post Office Address: 1600 Bel Aire Drive, Glendale, California 91201

Full name of fourth joint inventor: James J. Storhoff

Inventor's signature: _____ Date: _____
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Citizenship: US
Post Office Address: 610 Michigan Avenue, Apartment 3, Evanston, Illinois 60202

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Principal attorney or agent: Emily Mian
Telephone number: 312-913-0001

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Inventor's signature: _____ Date: _____
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Citizenship: US
Post Office Address: 111 16th Street, Wilmette, Illinois 60091

Full name of second joint inventor: Robert L. Lettinger

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Residence: Wilmette, Illinois
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Post Office Address: 316 Third Street, Wilmette, Illinois 60091

Full name of third joint inventor: Robert C. Mucic

Inventor's signature: T. C. Mucic Date: 5/19/02
Residence: Glendale, California
Citizenship: US
Post Office Address: 1600 Bel Aire Drive, Glendale, California 91201

Full name of fourth joint inventor: James J. Starhoff

Inventor's signature: _____ Date: _____
Residence: Evanston, Illinois
Citizenship: US
Post Office Address: 610 Michigan Avenue, Apartment 3, Evanston, Illinois 60202

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Citizenship: US

Post Office Address: 316 Third Street, Wilmette, Illinois 60091

Full name of third joint inventor: Robert C. Masic

Inventor's signature: _____ Date: _____

Residence: Glendale, California

Citizenship: US

Post Office Address: 1600 Bel Aire Drive, Glendale, California 91201

Full name of fourth joint inventor: James J. Storhoff

Inventor's signature: _____ Date: 05/15/02

Residence: Evanston, Illinois

Citizenship: US

Post Office Address: 610 Michigan Avenue, Apartment 3, Evanston, Illinois 60202

10/08/97

Full name of fifth joint inventor: Robert Elghanian

Inventor's signature: RE

Date: 5-17-02

Residence: Skokie, Illinois

Citizenship: US

Post Office Address: 4935 West Louis Avenue, Apartment 2, Skokie, Illinois 60077

Full name of sixth joint inventor: Thomas Andrew Toton

Inventor's signature: _____

Date: _____

Residence: Little Canada, Minnesota

Citizenship: US

Post Office Address: 2389 Greenbrier Circle, Little Canada, Minnesota 55117

Full name of seventh joint inventor: Viswanadham Garimella

Inventor's signature: _____

Date: _____

Residence: Evanston, Illinois

Citizenship: US

Post Office Address: 1915 Maple Avenue, Evanston, Illinois 60201

Full name of eighth joint inventor: Zhi Li

Inventor's signature: _____

Date: _____

Residence: Evanston, Illinois

Citizenship: US

Post Office Address: 1911 Sherman Avenue, Apartment 307, Evanston, Illinois 60201

Full name of ninth joint inventor: So-Jung Park

Inventor's signature: _____

Date: _____

Residence: Evanston, Illinois

Citizenship: Republic of Korea

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Full name of tenth joint inventor: Gang Lu

Inventor's signature: _____

Date: _____

Residence:

Citizenship:

Post Office Address:

10/008978

Full name of fifth joint inventor: Robert Elghanian

Inventor's signature: _____ Date: _____
Residence: Skokie, Illinois
Citizenship: US
Post Office Address: 4935 West Louis Avenue, Apartment 2, Skokie, Illinois 60077

Full name of sixth joint inventor: Thomas Andrew Taton


Inventor's signature: _____ Date: 5/17/02
Residence: Little Canada, Minnesota
Citizenship: US
Post Office Address: 2389 Greenbrier Circle, Little Canada, Minnesota 55117

Full name of seventh joint inventor: Viswanadham Garimella

Inventor's signature: _____ Date: _____
Residence: Evanston, Illinois
Citizenship: US
Post Office Address: 1915 Maple Avenue, Evanston, Illinois 60201

Full name of eighth joint inventor: Zhi Li

Inventor's signature: _____ Date: _____
Residence: Evanston, Illinois
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Post Office Address: 1911 Sherman Avenue, Apartment 307, Evanston, Illinois 60201

Full name of ninth joint inventor: So-Jung Park

Inventor's signature: _____ Date: _____
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Full name of tenth joint inventor: Gang Lu

Inventor's signature: _____ Date: _____
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Post Office Address:

10/06 8978

Full name of fifth joint inventor: Robert Elghanian

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Citizenship: US
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Full name of sixth joint inventor: Thomas Andrew Taton

Inventor's signature: _____ Date: _____
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Full name of seventh joint inventor: Viswanadham Garimella

Inventor's signature: Viswanadham Garimella Date: 05/16/2002
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Post Office Address: 1915 Maple Avenue, Evanston, Illinois 60201

Full name of eighth joint inventor: Zhi Li

Inventor's signature: _____ Date: _____
Residence: Evanston, Illinois
Citizenship: US
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Full name of ninth joint inventor: So-Jung Park

Inventor's signature: _____ Date: _____
Residence: Evanston, Illinois
Citizenship: Republic of Korea
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Full name of tenth joint inventor: Gang Lu

Inventor's signature: _____ Date: _____
Residence:
Citizenship:
Post Office Address:

10/00 8978

Full name of fifth joint inventor: Robert Elghanian

Inventor's signature: _____ Date: _____
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Citizenship: US
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Full name of sixth joint inventor: Thomas Andrew Talon

Inventor's signature: _____ Date: _____
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Citizenship: US
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Full name of seventh joint inventor: Viswanadham Garimella

Inventor's signature: _____ Date: _____
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Citizenship: US
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Full name of eighth joint inventor: Zhi Li

Inventor's signature: Zhi Li Date: 05/14/02
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Citizenship: US
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911 Sherman Avenue
D.L.

Full name of ninth joint inventor: So-Jung Park

Inventor's signature: So-Jung Park Date: 05/14/2002
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Citizenship: Republic of Korea
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Full name of tenth joint inventor: Gang Lu

Inventor's signature: _____ Date: _____
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Inventor's signature: _____

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Citizenship: US

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Full name of ninth joint inventor: So-Jung Park

Inventor's signature: _____

Date: _____

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